

3. (Amended) The combustion catalyst according to claim 1, wherein the ratio of zeolite to the metal oxide containing at least one of the elements of the platinum group in the mixture of the second catalyst is in the range from 20:1 to 1:20 by weight.

4. (Amended) The combustion catalyst according to claim 1, wherein the zeolite is ion-exchanged with at least one ionic species selected from the group consisting of those of the groups IA and IIA.

5. (Amended) The combustion catalyst according to claim 1, wherein the metal oxide in the second catalyst is alumina having pore size distribution such that, where "a" represents a pore radius in Å at the maximum of the pore radius distribution curve, the accumulated pore volume of pores having radii in the range of (a-25) Å to (a+25) Å is at least 65% of the total volume of all the pores, said alumina containing less than 1% by weight of rare earth elements.

6. (Amended) The combustion catalyst according to claim 1, wherein the alumina of the first catalyst has a pore size distribution such that, where "a" represents a pore radius in Å at the maximum of the pore radius distribution curve, the accumulated pore volume of pores having radii in the range of (a-25) Å to (a+25) Å is at least 65% of the total volume of all the pores, said alumina containing less than 1% by weight of rare earth elements.

7. (Amended) A process for removing organic compound(s) by catalytic combustion comprising the step of contacting organic compound(s) with the combustion catalyst as claimed in claim 1, so that the organic compound(s) is/are contacted first with the first catalyst of the combustion catalyst and then with the second catalyst of the combustion catalyst.

8. (Amended) The process according to claim 7, wherein the ratio of the first catalyst to the second catalyst is in the range from 1:20 to 2:1 by weight.

~~9. (Amended) The process according to claim 7, wherein the ratio of the zeolite to the metal oxide containing at least one of the elements of the platinum group in the mixture of the second catalyst is in the range from 20:1 to 1:20 by weight.~~

~~10. (Amended) The process according to claim 7, wherein the zeolite is ion-exchanged with at least one ionic species selected from the group consisting of those of groups IA and IIA.~~

~~11. (Amended) The process according to claim 7, wherein the metal oxide in the second catalyst is alumina having a pore size distribution such that, where "a" represents a pore radius in Å at the maximum of the pore radius distribution curve, the accumulated pore volume of pores having radii in the range of (a-25) Å to (a+25) Å is at least 65% of the total volume of all the pores, said alumina containing less than 1% by weight of rare earth elements.~~

~~12. (Amended) The process according to claim 7, wherein the alumina of the first catalyst has a pore size distribution such that, where "a" represents a pore radius in Å at the maximum of the pore radius distribution curve, the accumulated pore volume of pores having radii in the range of (a-25) Å to (a+25) Å is at least 65% of the total volume of all the pores, said alumina containing less than 1% by weight of rare earth elements.~~

~~13. (Amended) The process according to claim 7, wherein the organic compound(s) comprise(s) at least one halogen-containing organic compound.~~

~~14. (Amended) The process according to claim 7, wherein the organic compound(s) show(s) a vapor pressure of 0.01 kPa or higher at a temperature of 293.15°K.~~

~~15. (Amended) The process according to claim 7, wherein a gas containing the organic compound(s) is/are contacted with the combustion catalyst, the organic compound(s) being present in a concentration of not greater than 1% by volume in said gas.~~

16. (Amended) The process according to claim 7, wherein the organic compound(s) comprise(s) at least one C₂ hydrocarbon.

17. (Amended) The process according to claim 7, wherein the organic compound(s) comprise(s) at least one chlorinated C₂ hydrocarbon.

Please add the following new claims:

18. (New) The combustion catalyst according to Claim 1, wherein the zeolite has an SiO₂/Al₂O₃ molar ratio of 10 or greater.

19. (New) The process according to claim 7, wherein the zeolite has an SiO₂/Al₂O₃ molar ratio of 10 or greater.

20. (New) The combustion catalyst according to claim 1, wherein the zeolite is ion-exchanged with calcium ion.

21. (New) The process according to claim 7, wherein the zeolite is ion-exchanged with calcium ion.

22. (New) The combustion catalyst according to claim 1, wherein the alumina and the metal oxide contain platinum.

23. (New) The process according to claim 7, wherein the alumina and the metal oxide contain platinum.

24. (New) The combustion catalyst according to claim 1, wherein the organic compound(s) is/are hydrocarbon(s) which may be substituted by at least one of halogen and oxygen.

25. (New) The process according to claim 7, wherein the organic compound(s) is/are hydrocarbon(s) which may be substituted by at least one of halogen and oxygen.